

Application No. 10/806,194

IN THE SPECIFICATION:

Please amend the specifications as follows:

Paragraph beginning on page 1, at prenumbered line 10, has been amended as follows:

A mini Secure Digital (SD) card has dimensions of 20mm x 21.5mm x 1.4mm, and an area of approximately a half of that of a thumb. It has ~~11~~ eleven signal lines and a storage capacity of 256 megabytes (MB). Thus, compared to a standard SD card having dimensions of 32mm x 24mm x 2.1mm, a mini SD card is much smaller, and can save up to more than 40% with respect to an area required for printed circuit board (PCB) and even up to more than 60% with respect to a volume required when being applied to portable devices. Also, the two additional signal lines are reserved for future expansions; for example, antenna connection for short-distance wireless communications with non-contact integrated circuits.

Paragraph beginning on page 3, at prenumbered line 13, has been amended as follows:

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The secondary object of the invention is to provide a connector especially tailor for mini SD cards; in that the mini SD card capable of economizing operation space of the mini SD card comprises an insulation body, a pair of clamping arms and ~~11eleven~~ insertion terminals. According to standard specifications of a mini SD card, the insulation body of the connector is provided with an open recess having a protective structure and for accommodating a signal contact portion of the mini SD card, so as to appropriately place the signal contact portion of the mini SD card in correct directions. In addition, the insulation body is devised with retaining ribs for retaining guiding track portions of the mini SD card, and also utilizes block members of the clamping arms to fasten with breaches of the mini SD card. Thus, the mini SD card is steadily located in the open recess of the insulation body of the connector and forms good electric connection with the insertion terminals of the connector.

Paragraph beginning on page 4, at prenumbered line 17, has been amended as follows:

FIG. 7 shows a schematic view ~~illustrating that, when~~ of the mini SD card
being inserted to the mini SD card connector according to the invention ~~is in~~

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~~use, the wedge-shaped plane 52 of the mini SD card 50 is aligned with the wedge-shaped notch 23a at the insulation body 20, and the signal contact portion 51 of the mini SD card 50 is inserted below the retaining ribs 25 of the insulation body.~~

FIG. 8 shows a schematic view ~~illustrating the mini SD card connector 10 being applied to the mini SD card~~ according to the invention ~~being applied to the mini SD card 50.~~

FIG. 9 shows a schematic view ~~illustrating that of the mini SD card 10 formed by the insulation body 20 connector as illustrated in FIG. 6 can also being applied to the mini SD card 50.~~

Paragraph beginning on page 5, at prenumbered line 10, has been amended as follows:

Referring to FIGS. 1 to 5, a mini Secure Digital (SD) card connector 10 according to the invention comprises a longitudinal insulation body 20, a pair of clamping arms 30 and ~~11~~ eleven insertion terminals 40.

Paragraph beginning on page 5, at prenumbered line 11, has been amended as follows:

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The insulation body 20 has an exposed open space ~~facing downward to~~
~~form forming~~ an open recess 21. Referring to FIGS. 7 and 8, the open recess
21 is for placing a signal contact portion 51 of a mini SD card 50.

Paragraph beginning on page 5, at prenumbered line 15, has been amended
as follows:

As indicated in FIGS. 2 and 4, the open recess 21 of the insulation body 20
has ~~11~~eleven channels 21a. ~~A heaved section behind formed on one side of~~
the open recess 21, while a rear wall 24 forms a rear wall of ~~formed on an~~
opposite side of the open recess 21 as provided in the mini SD card connector
10, ~~and also which~~ has ~~11~~eleven insertion channels 24a at positions
corresponding to the ~~11~~eleven channels 21a. The channels 21a and the
insertion channels 24a are all for inserting and accommodating the ~~11~~eleven
insertion terminals 40. When the ~~11~~eleven insertion terminals 40 are located
at the insulation body 20, a front bent portion 41 of each insertion terminal 40
is extended out of a surface of the open recess 21 of the insulation body 20.
As shown in FIG. 4, ~~for that a front section of each insertion terminal 40~~
appears as a suspended arm structure. ~~t~~The front bent portion 41 of each
insertion terminal 40 is provided with elasticity.

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Paragraph beginning on page 6, at prenumbered line 19, has been amended as follows:

Referring to FIG. 7, to provide the mini SD card 50 with a protective structure, one side of the signal contact portion 51 is devised with a wedge-shaped plane 52 having a notch. Thus, according to directions indicated in FIG. 7, a left side wall 22 and a right side wall 23 of the insulation body 20 are formed as ribs extended upward with a certain height at two sides of the open recess 21 of the insulation body 20. However, for coordinating with the protective structure of the mini SD card 50, the left side wall 22 and the right side wall 23 are made into unsymmetrical structures. To be more precise, a wall thickness of the right side wall 23 is larger than that of the left side wall 22, and a front end of the right side wall 23 is formed with a wedge-shaped notch 23a that corresponds with the wedge-shaped plane 52 of the mini SD card 50. Hence, the signal contact portion 51 of the mini SD card 50 is appropriately placed into the open recess 21 of the insulation body 20 in correct directions.

Paragraph beginning on page 9, at prenumbered line 1, has been amended as follows:

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Referring to FIG. 7, according to standard specifications of the mini SD card 50, each of two sides thereof is provided with a breach 54. Therefore, the breaches 54 can be utilized by the mini SD card connector 10 according to the invention to stabilize the mini SD card 50. To accomplish the aforesaid effect, referring to FIGS. 1, 2, 3 and 5, the invention adopts a pair of symmetrical clamping arms 30 each having a long and thin strip 31. Each strip 31 has a front section thereof contracted and bent upward. Each of the clamping arms 30 further has a ~~a-ene~~ block member 32 protruding outward at an inner front section thereof, and an insertion plate 33 at a rear section of each strip 31.

Paragraph beginning on page 9, at prenumbered line 9, has been amended as follows:

Referring to FIG. 5, using respective insertion plates 33, the pair of clamping arms 30 is inserted into the locating grooves 27 at the left side wall 22 and the right side walls 23 of the insulation body 20. The rear sections of the strips 31 of the clamping arms 30 are fixed in the inset grooves 26 at the left side wall 22 and the right side wall 23, such that the clamping arms 30 are joined with the insulation body to form one structure. ~~For that t~~ The strips 31

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~~of formed on the clamping arms 30 are long and narrow, end portions of in~~
~~shape, moreover, the front sections of the strips 31 appear as has suspended~~
~~arm structures having slight outwardly pulling and end portions with slightly~~
restoring elasticity.

Paragraph beginning on page 10, at prenumbered line 14, has been amended as follows:

The insulation body 20 according to the invention may have a different structure as in another embodiment. Referring to FIG. 6, each outer wall surface of the left side wall 22 and the right side wall 23 of the insulation body 20 is directly formed with an integral clamping arm 28. Thus, this type of insulation body 20 does not require the aforesaid clamping arms 30. In addition, between the clamping arm 28 of the left side wall 22 and the left side wall 22 is a gap 22b, and between the clamping arm 28 of the right side wall 23 and the right side wall 23 is a gap 23b. Therefore, a front section of each clamping arm 28 is provided with slight outwardly-pulling and restoring elasticity. Each of the clamping arms 28 further has a cone block member 28a protruding outward at an inner front portion thereof. As shown in FIG. 9, the mini SD card connector 10 formed by this type of insulation body 20 still

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utilizes the retaining ribs 25 for retaining the guiding track portions 53 of the mini SD card 50; however, the block members 28a of the clamping arms 28 are adopted for fastening with the breaches ~~53~~54 of the mini SD card 50.